

Appendix Test Data

Report No.:	9818C50008112501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-23	Finish Test Date:	2025-10-28
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.0°C	Relative Humidity:	42.0%
Pressure:	101kPa		



Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.644	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.712	2439.644	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.676	2480.320	0.5	PASS
BLE_2M	Ant1	2402	1.232	2401.360	2402.592	0.5	PASS
BLE_2M	Ant1	2440	1.152	2439.436	2440.588	0.5	PASS
BLE_2M	Ant1	2480	1.112	2479.452	2480.564	0.5	PASS

Test Graphs



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BLE_1M-Ant1-2480-PASS

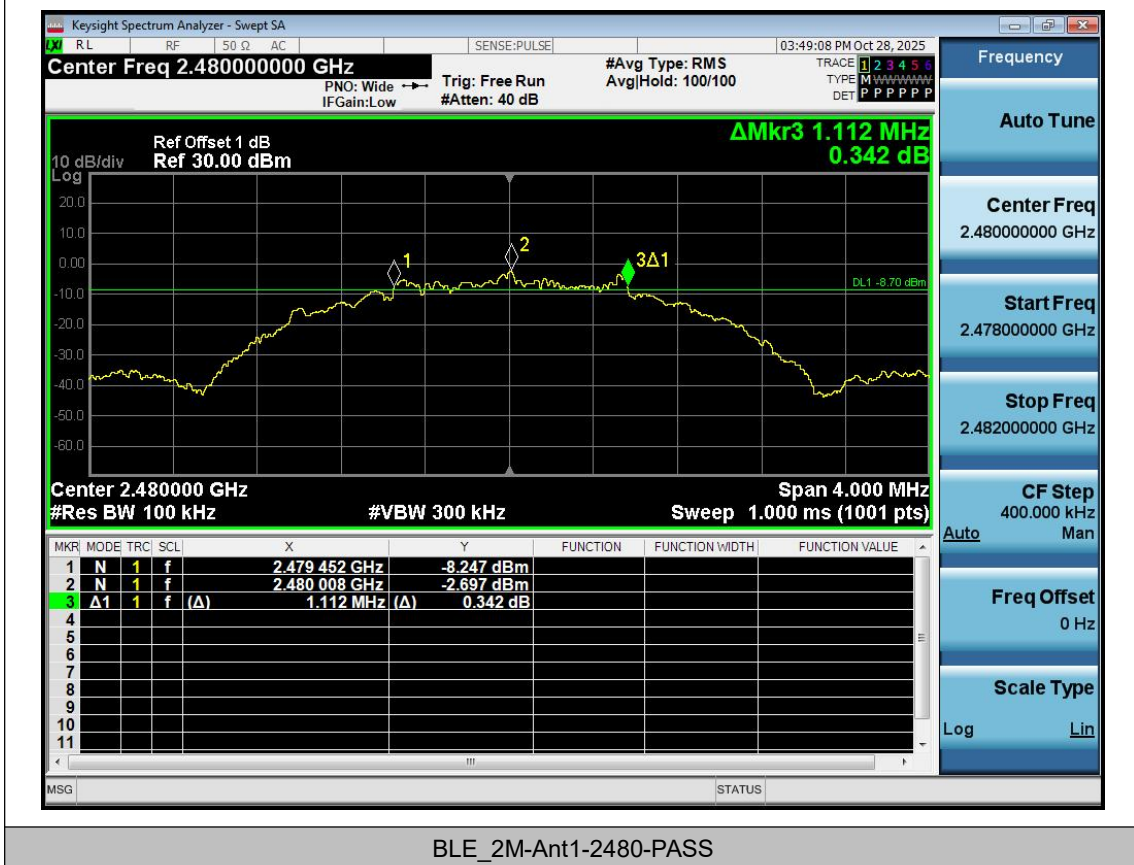
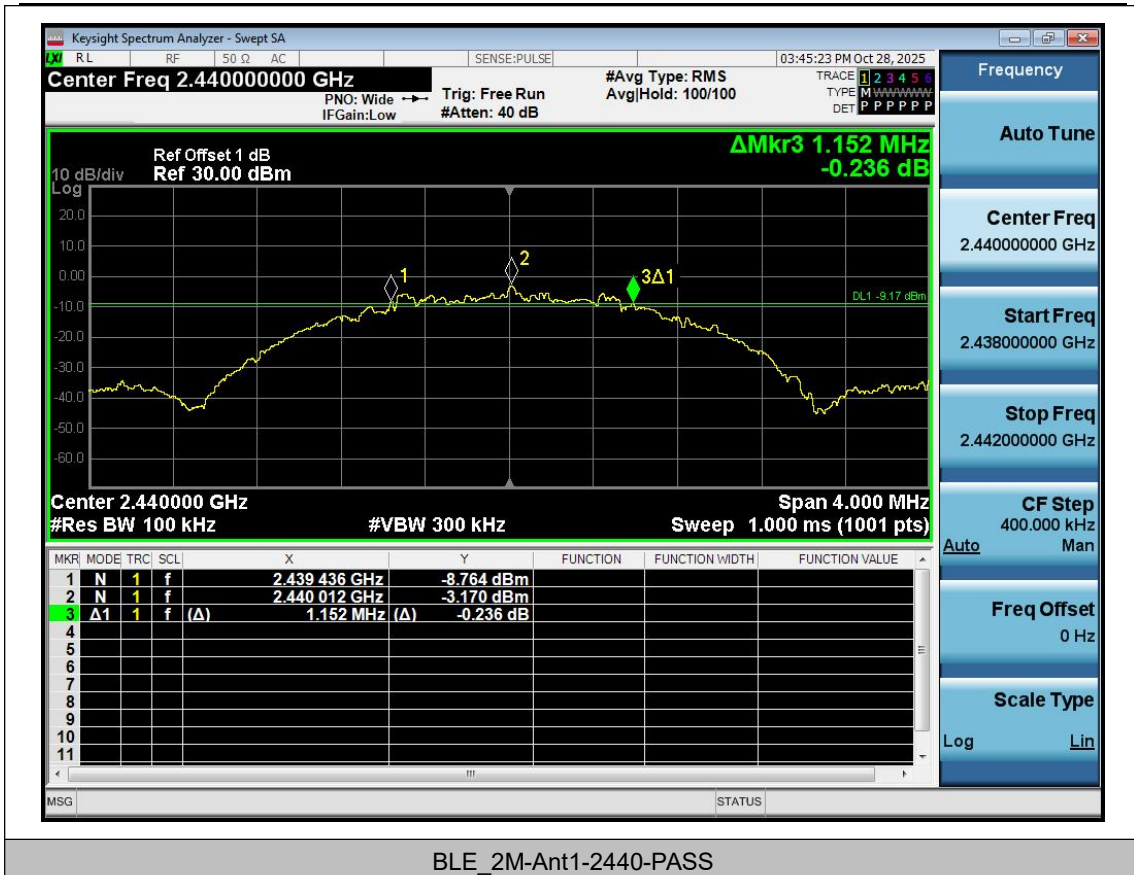


BLE_2M-Ant1-2402-PASS

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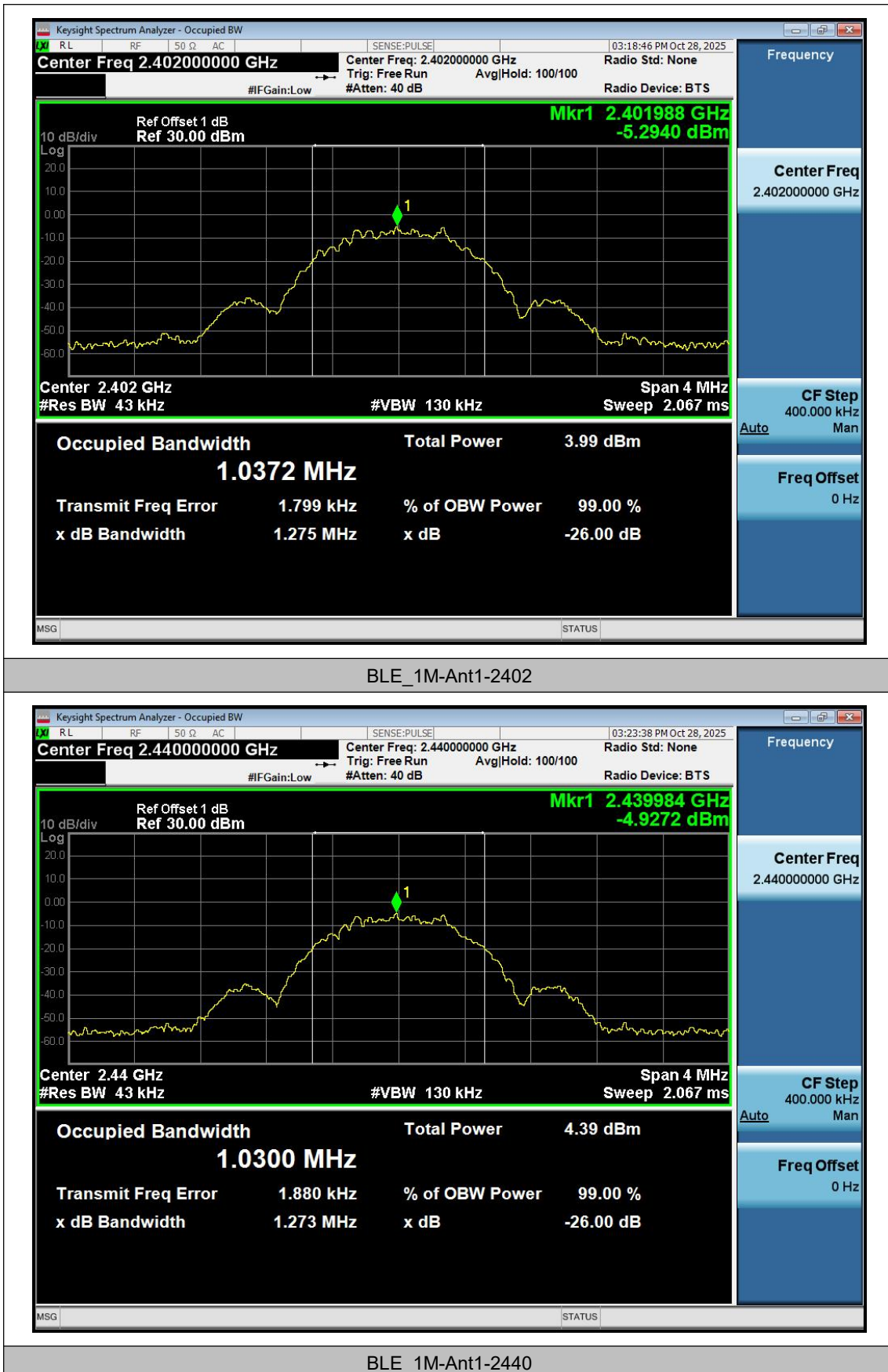
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0372	2401.4832	2402.5204	---	---
BLE_1M	Ant1	2440	1.0300	2439.4869	2440.5169	---	---
BLE_1M	Ant1	2480	1.0323	2479.4848	2480.5171	---	---
BLE_2M	Ant1	2402	2.0892	2400.9701	2403.0593	---	---
BLE_2M	Ant1	2440	2.0671	2438.9769	2441.0440	---	---
BLE_2M	Ant1	2480	2.0831	2478.9738	2481.0569	---	---

Test Graphs



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BLE_1M-Ant1-2480



BLE_2M-Ant1-2402

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BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

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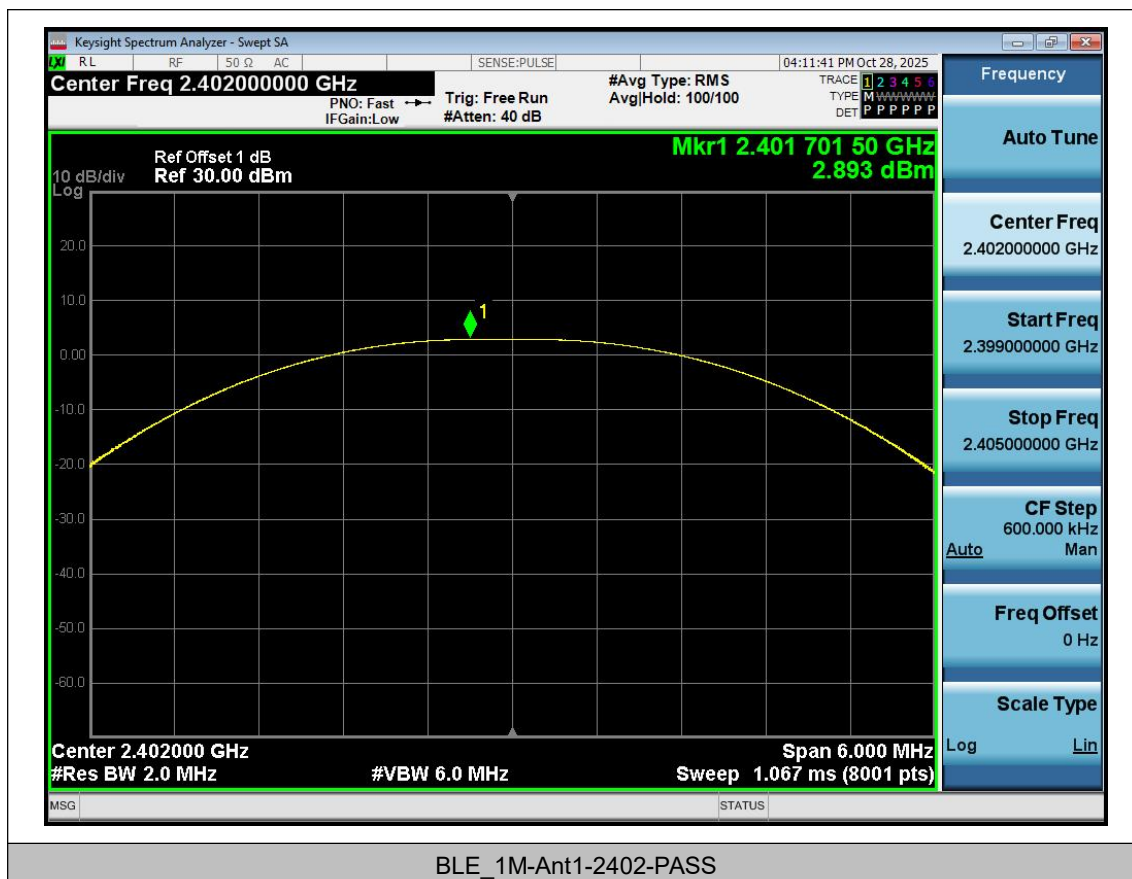
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

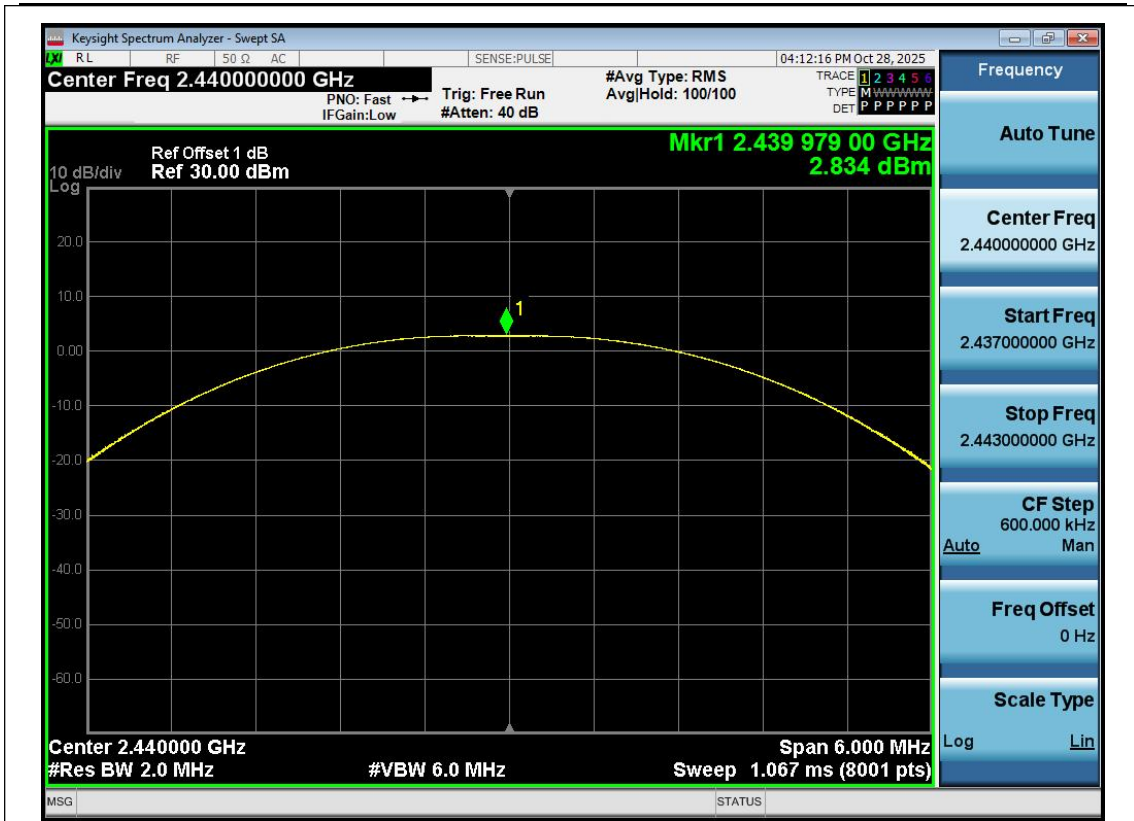
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.89	≤30	PASS
BLE_1M	Ant1	2440	2.83	≤30	PASS
BLE_1M	Ant1	2480	2.64	≤30	PASS
BLE_2M	Ant1	2402	2.94	≤30	PASS
BLE_2M	Ant1	2440	2.86	≤30	PASS
BLE_2M	Ant1	2480	2.63	≤30	PASS

Test Graphs Peak





BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS

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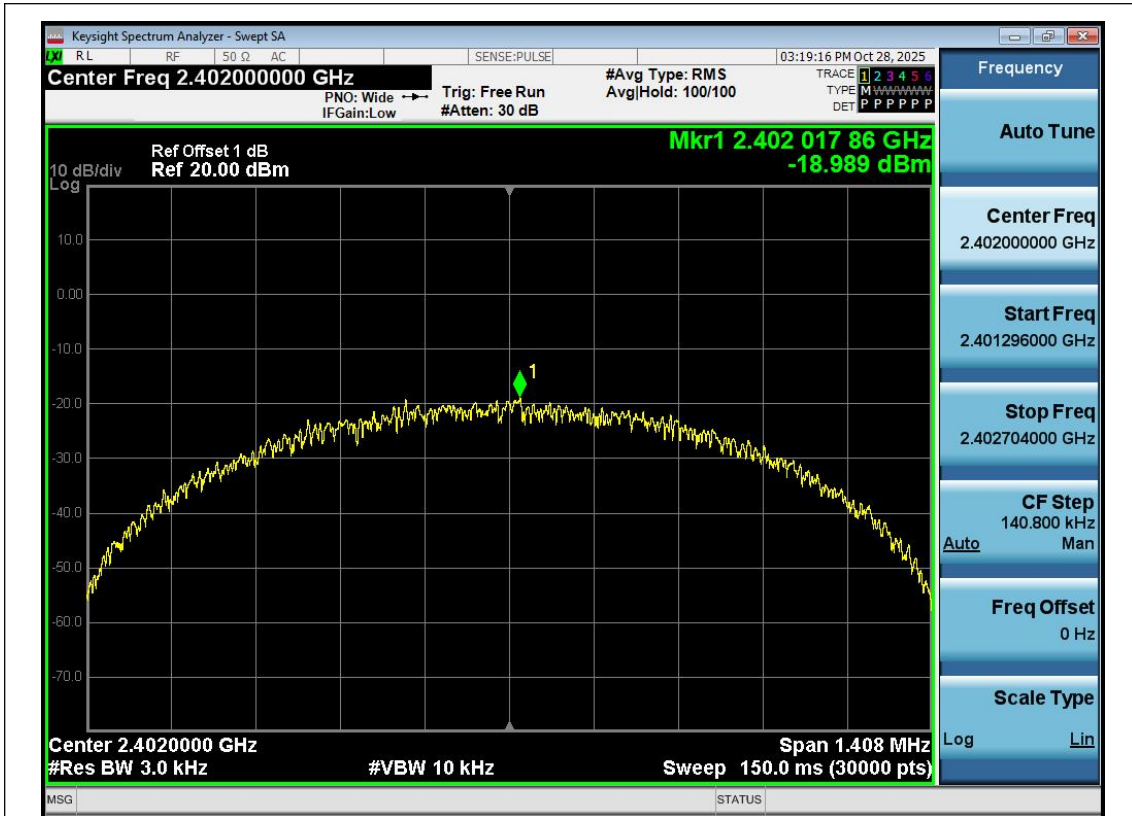
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.99	≤8.00	PASS
BLE_1M	Ant1	2440	-18.64	≤8.00	PASS
BLE_1M	Ant1	2480	-18.19	≤8.00	PASS
BLE_2M	Ant1	2402	-21.40	≤8.00	PASS
BLE_2M	Ant1	2440	-21.08	≤8.00	PASS
BLE_2M	Ant1	2480	-20.78	≤8.00	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS

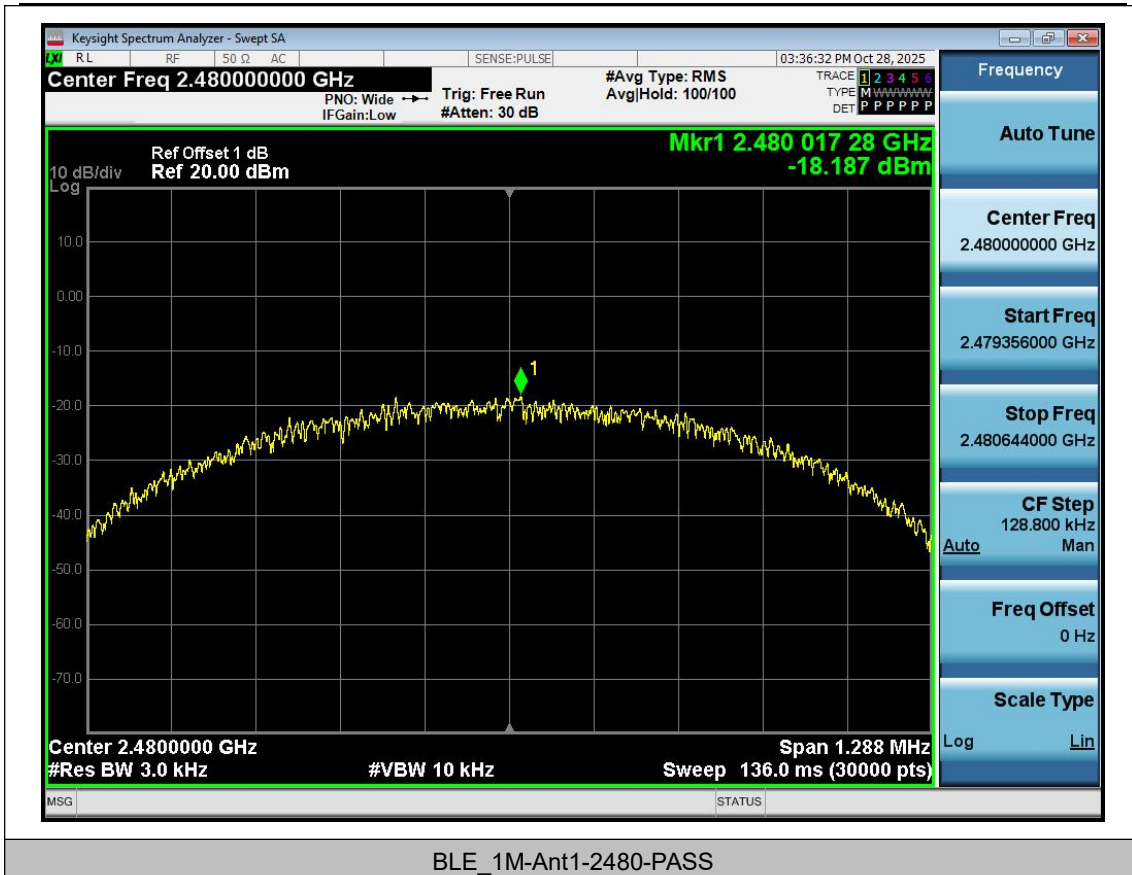


BLE_1M-Ant1-2440-PASS

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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.47	-58.81	≤-23.47	PASS
BLE_1M	Ant1	High	2480	-2.65	-58.06	≤-22.65	PASS
BLE_2M	Ant1	Low	2402	-3.87	-35	≤-23.87	PASS
BLE_2M	Ant1	High	2480	-2.71	-58.42	≤-22.71	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.